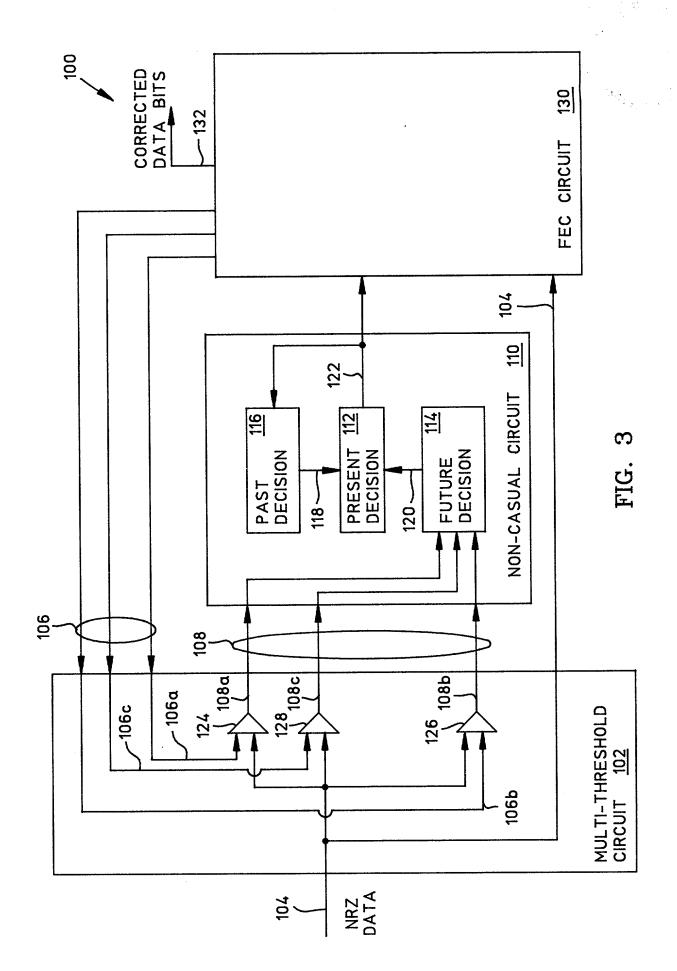


FIG. 2 (PRIOR ART)



NRZ	NRZ DATA STREAM INPUTS
>	definite "1"
	"0" if both 2nd and 3rd bit value decisions are "1"
	"1" if both 2nd and 3rd bit values are "0"
Vopt	"1" if both 2nd and 3rd bit value decisions are "0"
	"0" if only one of the 2nd and 3rd bit value decisions is a "0"
	"0" if both 2nd and 3rd bit values are "1"
0.0	
	definite "0"

FIG. 4

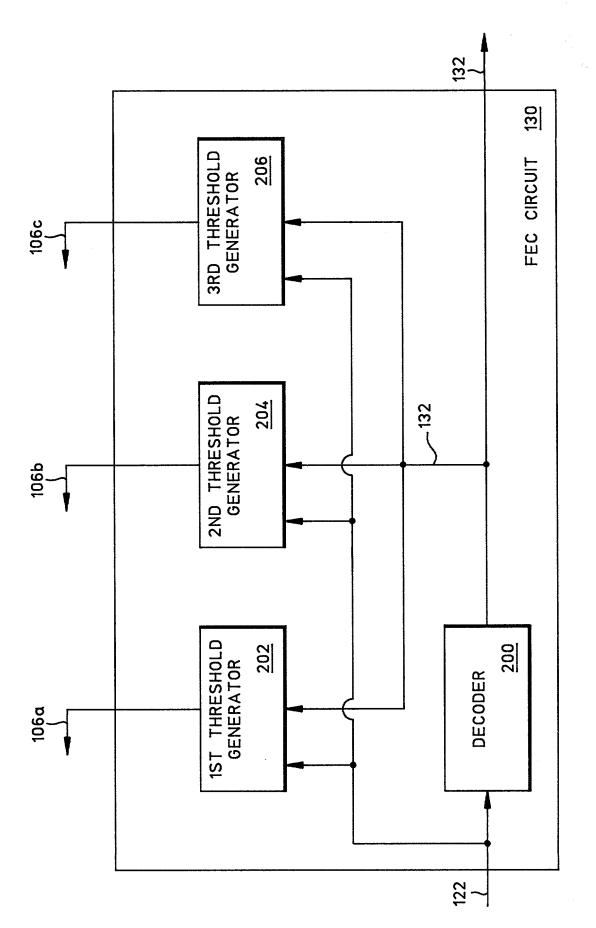
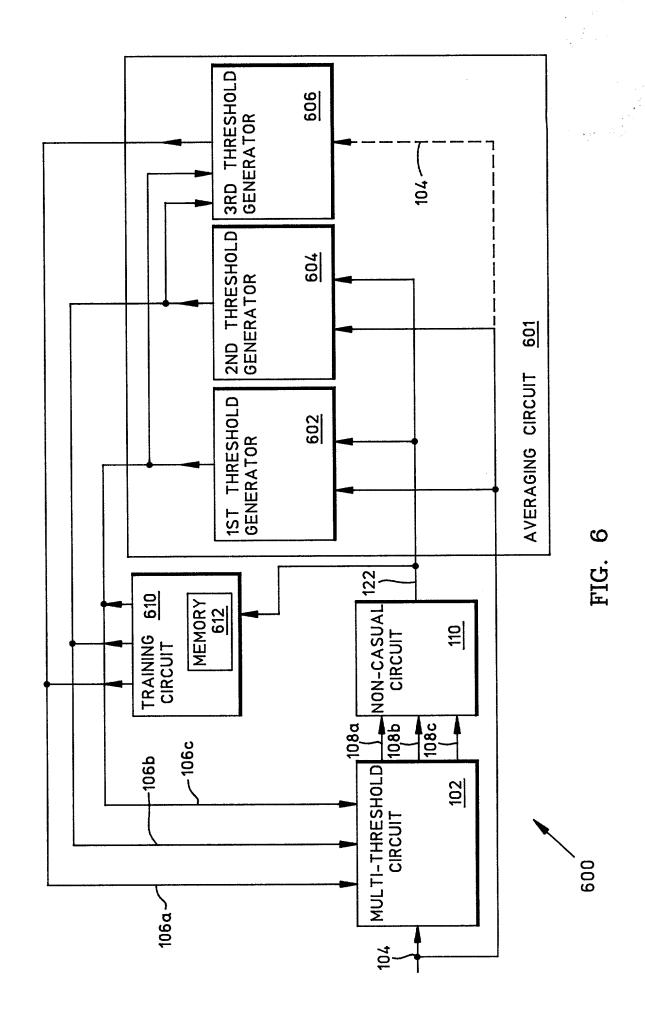


FIG. 5



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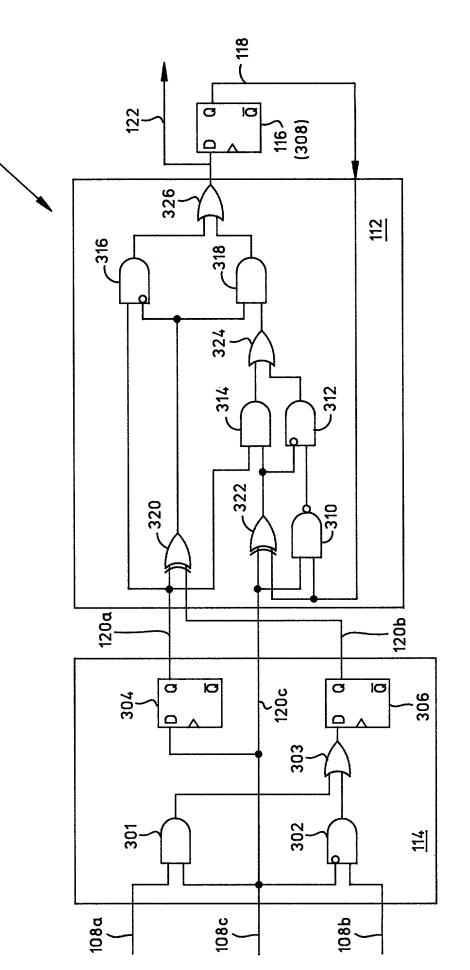


FIG. 7A

1ST BIT	Value	0000	-000	0	<del></del>
3RD BIT	Value	0 + 0 +	0 - 0 -	0 + 0 +	0 - 0 -
2ND BIT	Value	00	00	00	00
	120b	0000	~ ~ ~ ~	0000	~~~
FIRST BIT ESTIMATE	Line 120a	0000	0000	<del>-</del>	has has has has

FIG. 7B

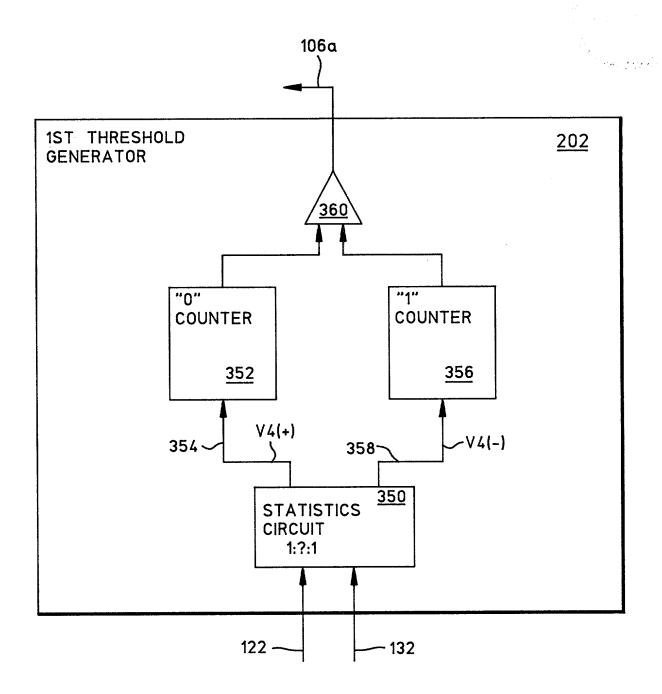
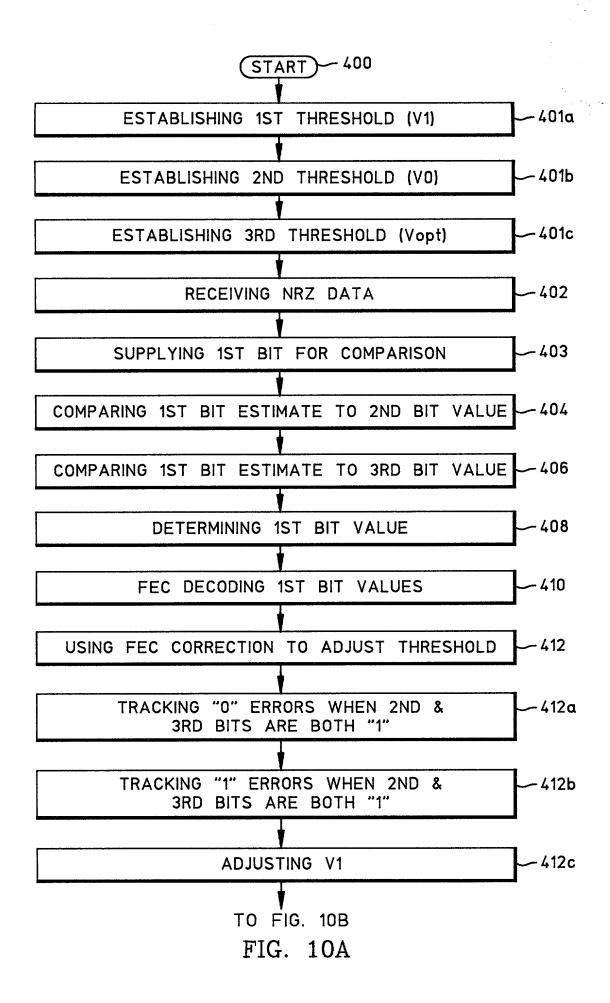


FIG. 8

Only One Correction per 3 bit sequence  Error in the center bit										
Corrected Sequence	Graphic	Affected	Ac	tion on	Fe	edback				
OK-ER-OK		0 cntr	1 cntr		***		+			
0 0 0	• • •	Cond 1 0 inc		V1	Toggle					
0 0 1	:_ <i>j</i> :	Cond 2 0 inc		V2	Toggle					
0 1 0			Cond 1 1 inc			V1	Toggle			
0 1 1	<u> </u>		Cond 2 1 inc			٧2	Toggle			
1 0 0	<u> </u>	Cond 3 0 inc		٧3	Toggle					
1 0 1		Cond 4 0 inc		٧4	Toggle					
1 1 0	<u> </u>		Cond 3 1 inc			۸3	Toggle			
1 1 1	• • •		Cond 4 1 inc			٧4	Toggle			

FIG. 9



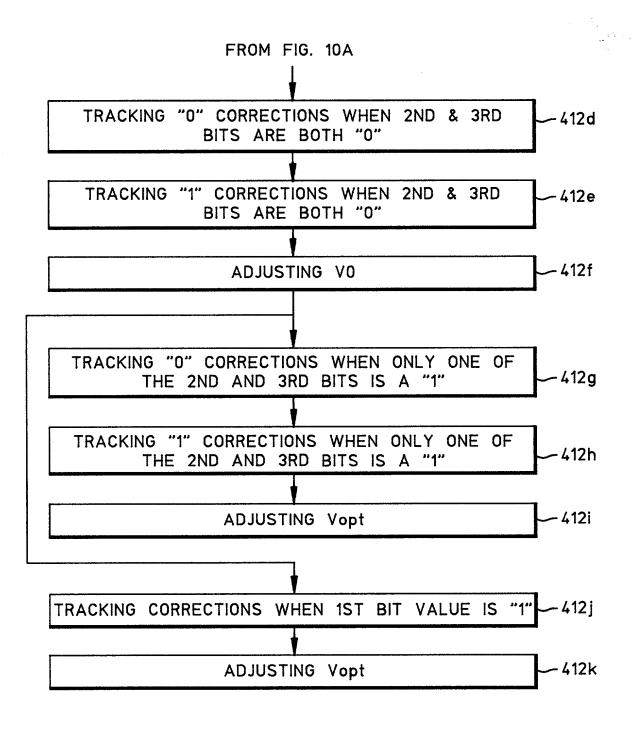


FIG. 10B

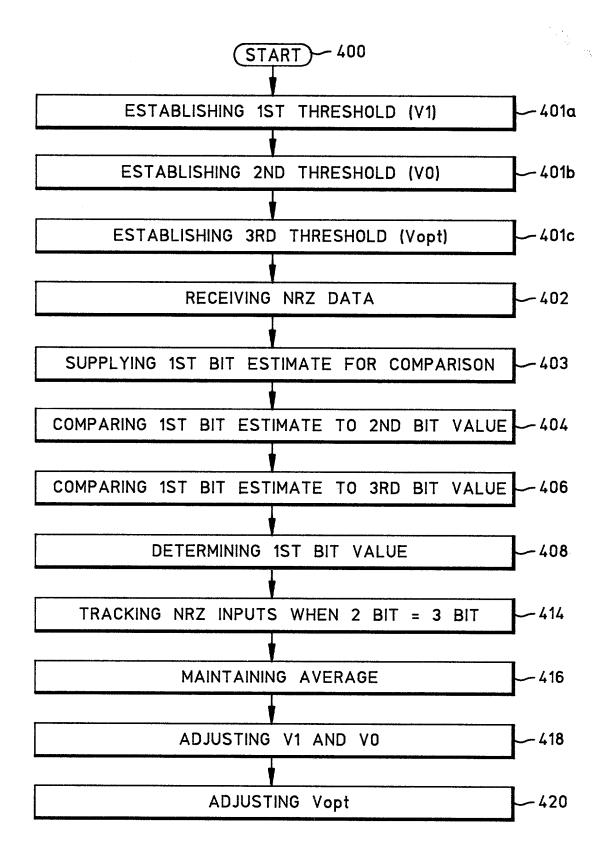


FIG. 11

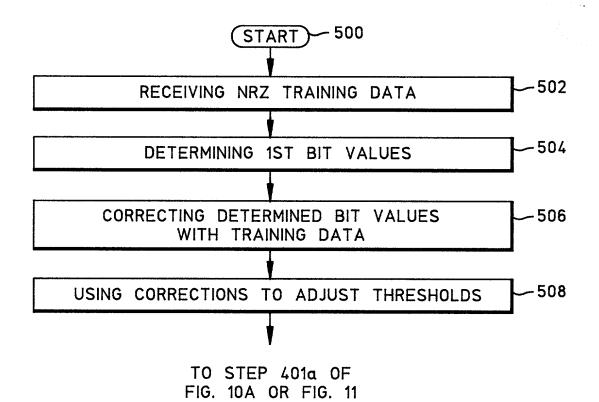


FIG. 12